

ORDER NO.ACED060110C3

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C3403W

WMA MP3 CD Player/Receiver



SPECIFICATIONS

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Current Consumption	Less than 2.1A (CD mode ; 0.5W 4-channels)
Maximum Power Output	50W×4ch (at 1kHz) Volume control maximum
Power Output	18W×4ch (1kHz, 1%, 4)
Tone Adjustment Range	Bass ; ±12dB at 100Hz Treble ; ±12dB at 10kHz
Speaker Impedance	4-8
Pre-Amp Output Voltage	2.5V (CD mode; 1kHz, 0dB)
Pre-Amp Output Impedance	200
FM Stereo Radio	
Frequency Range	87.5MHz - 108MHz
Usable Sensitivity	6dB/ V (S/N 30dB)
Frequency Response	30Hz-15kHz (±3dB)
Alternate Channel Selectivity	75dB
Stereo Separation	35dB (1kHz)
Image Rejection Ratio	70dB
IF Rejection Ratio	100dB
Signal to Noise Ratio	62dB

AM Radio	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/ V (S/N 20dB)

CD Player	
Sampling Frequency	8 Times Oversampling
DA Converter	1bit DAC System
Pick-Up Type	Astigma 3-beam
Light Source	Semiconductor Laser
Wave Length	790nm
Frequency Response	20Hz to 20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below measurable limits
Channel Separation	75dB

Dimensions**	178×50×160mm
Weight**	1.4kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

-Above specifications comply with EIA standards.

**2006 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.**

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/ 600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2. LASER PRODUCTS

CAUTION:

This product utilizes a laser diode with the unit turned "on".
Laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be
sure the followings:

1. Do not disassemble the optical pickup unit, since
radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit.
It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

3. FEATUERS

- The optional adapter allows you to connect the optional Panasonic CD

changer unit (CX-DP880).

- The optional adapter allows you to connect the optional iPod series.
- Hands Free Phone System. (The optional Bluetooth hands-free kit : CY-BT100N)
- Large-sized volume control.
- SQ (Sound Quality).

4. REPLACING THE FUSE

Use fuses of the same specified rating (15amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

5. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

6. NOTES

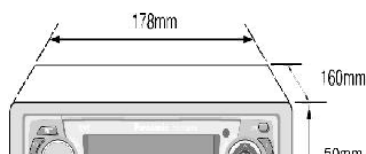
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

7. DIMENSIONS



8. WIRING CONNECTION

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
1	BATT DET	Battery voltage detection	I	1.9	1.9	1.9
2	SYSID 1	System upgrade ID1	I	4	4	4
3	SYSID 2	System upgrade ID2	I	4	4	4
4	PLL DO	PLL data	I	4.9	4.9	4.9
5	PLL CLK	PLL data clock	O	4.8	4.8	4.8
6	PLL DI	PLL data	O	0	0	0
7	PLL CE	PLL chip select	O	0	0	0
8	LED1	LED drive control 1	O	0	0	0
9	LED2	LED drive control 2	O	0	0	0
10	RESET	Reset	I	4.9	4.9	4.9
11	XT2	Crystal oscillator	-	2.6	4.3	2.6
12	XT1	Crystal oscillator	-	2.1	1.8	2
13	FLMD0 (NC)	-	-	-	-	-
14	X2	Crystal oscillator	-	2.6	2.6	2.6
15	X1	Crystal oscillator	-	2.4	2.4	2.4
16	REGC	(Regulator capacitor)	-	2.5	2.5	2.5
17	VSS	Ground	-	0	0	0
18	EVSS	Ground	-	0	0	0
19	VDD	+5V power supply	-	4.8	4.8	4.8
20	EVDD	+5V power supply	-	4.8	4.8	4.8
21	ROT 1	Rotary encoder input 1	I	4.8	4.8	4.8
22	ROT 2	Rotary encoder input 2	I	4.8	4.8	4.8
23	OP/CL	Panel open/close detect	I	4.7	4.7	4.7
24	(NC)	-	-	-	-	-
25	LED3	LED drive control 3	O	0	0	0
26	(NC)	-	-	-	-	-
27	PANEL	Panel detection	I	0	0	0
28	(NC)	-	-	-	-	-
29	(NC)	-	-	-	-	-
30	LCD 5V CNT	Display 5V control	O	0	0	0
31	LCD CE	LCD chip enable	O	0	0	0
32	EJECT	EJECT switch	I	4.9	4.9	4.9
33	EJ ILL	LED control (EJ/ILL)	O	4.7	4.7	4.7
34	AMP CNT	Amp power control	O	4.7	4.7	4.7
35	ANT CNT	Antenna power control	O	4.7	4.7	0
36	EXT.MUTE	External mute	O	4.9	4.9	4.9
37	(NC)	-	-	-	-	-

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
38	RM DATA	Remote control data	I	4.7	4.7	4.7
39	AF MUTE	AF mute control	O	4.7	4.7	4.7
40	INV CNT	Illumination control	O	4.7	4.7	4.7
41	(NC)	-	-	-	-	-
42	HUB ACC CNT	HUB ACC regulator control	O	0	0	0
43	INI A	Mode setting A	I	4.8	4.8	4.8
44	INI B	Mode setting B	I	0	0	0
45	INI C	Mode setting C	I	4.8	4.8	4.8
46	CHSTB / SYSID4	CD changer strobe / System upgrade ID4	I	0	0	0
47	CD MUTE	CD mute	I	0	0	0
48	EVENT	System upgrade EVENT	I	0	0	0
49	HUB CNT	HUB control signal	O	3.6	3.6	3.6
50	UART RX	UART serial data	I	0	0	0
51	UART TX	UART serial data	O	2.2	0	1.9
52	CD SI	CD data input	O	0	0	0
53	CD SO	CD data output	I	0	0	0.8
54	CD SCK	CD clock	O	4.7	4.7	4.7
55	CD RST	CD reset	O	4.7	4.7	4.7
56	CD STB	CD strobe	I	4.7	4.7	3.5
57	(NC)	-	-	-	-	-
58	(NC)	-	-	-	-	-
59	AVREF	(Conecting to +5V)	-	4.9	4.9	4.9
60	AVSS	Ground	-	0	0	0
61	ACC	ACC detection	I	4.9	4.9	4.9
62	(NC)	-	-	-	-	-
63	LEVEL	Audio level meter signal	I	0	0	0
64	VSM	Radio signal strength	I	0	0	0
65	(NC)	-	-	-	-	-
66	SCL	Audio control serial clock	O	4.9	4.9	4.9
67	SDA	Audio control data	O	4.9	4.9	4.9
68	SD/ST	Radio station detect	I	4.8	4.8	4.8
69	MAIN CNT	Main power control	O	4.8	4.8	4.8

Pin No.	Port	Description	I/O	(V)		
				FM	AM	CD
70	LCD CLK	LCD Clock	O	4.7	4.7	4.7
71	LCD DO	LCD data	I	4.7	4.7	4.7
72	LCD DI	LCD data	O	4.7	4.7	4.7
73	CH REM	CD changer remote	O	0	1.6	2.8
74	AMP MUTE	Amp mute control	O	4.8	4.8	4.8
75	STBY	Power IC stundby control	O	4.8	4.8	4.8
76	(NC)	-	-	-	-	-
77	CH DATA	CD changer data	I	0	0	0
78	CH CLK / SYSID3	CD changer clock / System upgrade ID3	I	0	0	0
79	CD SW1	CD mechanism SW1	I	4.8	4.8	4.8
80	CD SW2	CD mechanism SW2	I	0	0	4.8

9.2. Display Block

IC901 : C0HBA0000195

Pin No.	Port	Description	I/O	(V)
1-39	SEG1-39	LCD segment data	O	2.4
40-43	COM1-4	LCD common	O	2.4
44,45	SEG40,41	Not used	-	-
46-49	KS3-6	Key scan	O	4.7
50-54	KI1-5	Key data	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	4.7
57	VDD1	VDD1 filter terminal	-	3.1
58	VDD2	VDD2 filter terminal	-	1.6
59	VSS	Ground	-	0
60	OSC	Oscillator terminal	-	3.7
61	DO	Key data output	O	4.7
62	CE	LCD driver chip enable	I	0
63	CLK	LCD clock	I	4.7
64	DI	LCD data	I	4.7

9.3. CD Servo Block

IC101 : YESAM337

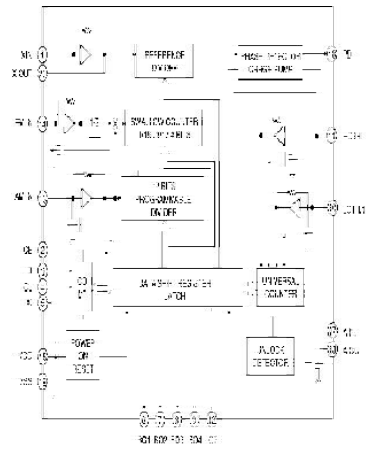
Pin No.	Port	Descriptions	I/O	(V)
1	AVSS	GND	-	0
2	LD-MT	Loading Motor drive IC control 1	O	3.2
3	CNT	Loading Motor drive IC control 2	O	3.2
4	-	-	-	-
5	LD-EJ	Loading Motor drive IC control (Eject)	O	0
6	AMUTE	Mute signal output	O	0
7	-	-	-	-
8	SBSY	DSP IC SBSY	O	0
9	-	-	-	-
10	-	-	-	-
11	TXD0	Serial data output	O	0
12	RXD0	Serial data input	I	0
13	CLK0	Clock input	I	2.9
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	AMD	-	-	3.2
18	DVCC	Power supply (3.3V)	-	3.2
19	X2	Crystal oscillator	-	1.3
20	DVSS	GND	-	0
21	X1	Crystal oscillator	-	1.3
22	AMI	-	-	3.2
23	RESET	Reset	I	3
24	-	-	-	-
25	-	-	-	-
26	NMI	-	-	3.2
27	-	-	-	-
28	STBY	DSP IC STBY	O	0
29	RST	DSP IC RST	O	3.2
30	CCE	DSP IC CCE	O	2.6
31	BUCK	DSP IC CK	O	2.8
32	BUS3	DSP IC BUS3	O	2.8
33	BUS2	DSP IC BUS2	O	2.8
34	BUS1	DSP IC BUS1	O	2.8
35	BUS0	DSP IC BUS0	O	2.9
36	RESET SW	Mechanics deck REST SW input	I	3.2
37	SW1	Mechanics deck SW1 input	I	0
38	SW2	Mechanics deck SW2 input	I	0
39	CONT (P13)	DSP IC power control 1	O	3.2
40	-	-	-	-

Pin No.	Port	Descriptions	I/O	(V)
41	-	-	-	-
42	-	-	-	-
43	CONT (P17)	DSP IC power control 2	O	3.2
44	PIO0	DSP IC PIO0	O	0
45	ZDET	LOAD detect	I	0
46	-	-	-	-
47	-	-	-	-
48	-	-	-	-
49	-	-	-	-
50	-	-	-	-
51	-	-	-	-
52	-	-	-	-
53	-	-	-	-
54	-	-	-	-
55	-	-	-	-
56	-	-	-	-
57	-	-	-	-
58	-	-	-	-
59	CDFS	Serial frame sink signal input (CD ON)	I	2.3
60	P50/ AN0	Reference voltage	I	0.3
61	P51/ AN0	Loading motor detect	I	2.1
62	P52/ AN2	-	-	0
63	P53/ AN3	-	-	0
64	AVCC	Power supply (3.3V)	-	3.2

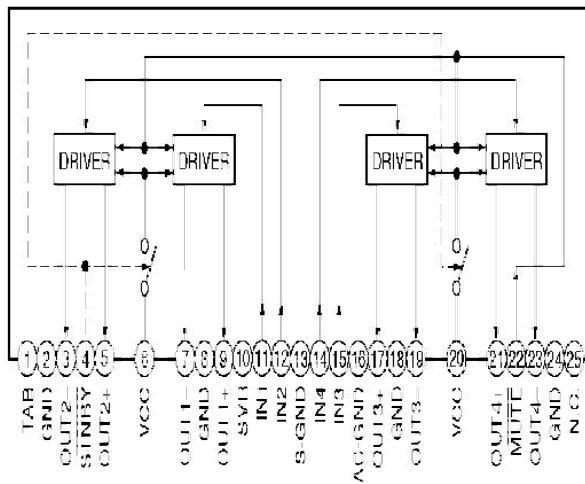
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

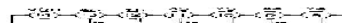
PA051 : YESAP403



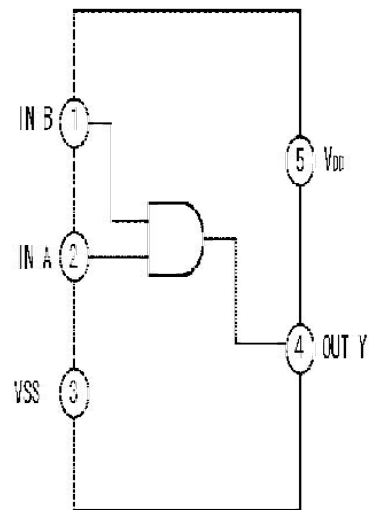
IC271 : C1EA00000041



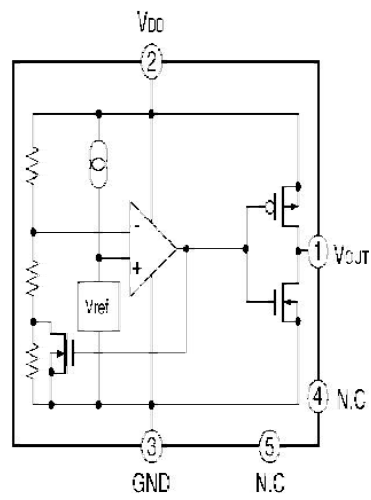
IC650 : YESAM265



IC681 : YESAM346



IC710 : YESAM340

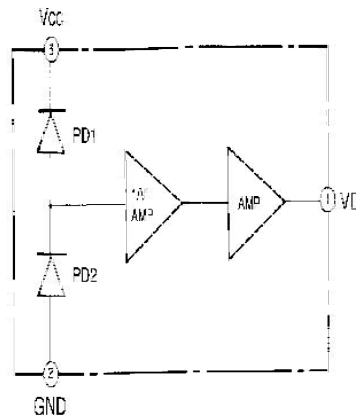


IC791 : YESAM344

IC750 : YESAM267

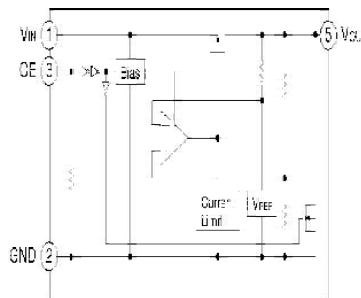
10.2. Display Block

IC905 : YESAM264



10.3. CD Servo Block

IC401,403 : YESAM341



IC402 : YESAM342



11. REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will

continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[7221-02-11] MAIN BLOCK			
IC's and TRANSISTORS			
IC201	YESAM293	IC	
IC231	C0ABBB000038	IC	
IC271	C1EA00000041	IC	
IC401	YESAM321	IC	
IC601	YESAM355	IC (w/program)	
IC650	YESAM265	IC	
IC681	YESAM346	IC	
IC710	YESAM340	IC	
IC740	YESAM299	IC	
IC750	YESAM267	IC	
IC755	YESAM347	IC	
IC791	YESAM344	IC	
PA051	YESAP403	Tuner Pack	
Q052	YESAN117	Transistor	
Q055	YESAN117	Transistor	
Q660	YESAN119	Transistor	
Q671	YESAN118	Transistor	
Q672	YESAN120	Transistor	
Q681	YESAN123	Transistor	
Q682	YESAN122	Transistor	
Q683	YESAN122	Transistor	
Q720	YESAN115	FET	
Q721	YESAN123	Transistor	
Q730	YESAN115	FET	
Q731	YESAN123	Transistor	
Q740	YESAN079	Transistor	
Q751	YESAN079	Transistor	
Q761	YESAN090	Transistor	
Q770	YESAN088	Transistor	
DIODEs			
D053	YESAD119	Zener Diode	
D245	YESAD155	Diode	
D270	YESAD146	Diode	
D271	YESAD146	Diode	
D272	YESAD146	Diode	
D273	YESAD146	Diode	
D274	YESAD146	Diode	
D275	YESAD146	Diode	
D276	YESAD146	Diode	
D277	YESAD146	Diode	
D601	YESAD155	Diode	
D602	YESAD147	Zener Diode	
D603	YESAD147	Zener Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D636	YESAD144	Diode	
D637	YESAD143	Diode	
D638	YESAD119	Zener Diode	
D650	YESAD144	Diode	
D652	YESAD119	Zener Diode	
D654	YESAD119	Zener Diode	
D655	YESAD119	Zener Diode	
D701	YESAD139	Diode	
D702	YESAD119	Zener Diode	
D703	YESAD146	Diode	
D705	YESAD119	Zener Diode	
D710	YESAD144	Diode	
D720	YESAD146	Diode	
D721	YESAD146	Diode	
D741	1SS133T77	Diode	
D750	YESAD141	Diode	
D760	YESAD146	Diode	
D761	YESAD140	Diode	
D770	YESAD123	Zener Diode	
D790	YESAD143	Diode	
CAPACITORS			
C051	YECUS1H470JC	Ceramic, 47pF 50WV	
C053	YESCC482	Ceramic, 0.01 μ F 50WV	
C055	YESCC482	Ceramic, 0.01 μ F 50WV	
C057	YESCC482	Ceramic, 0.01 μ F 50WV	
C058	YESCC482	Ceramic, 0.01 μ F 50WV	
C061	YESCC527	Ceramic, 0.022 μ F 25WV	
C062	YESCC527	Ceramic, 0.022 μ F 25WV	
C065	YESCC481	Ceramic, 0.001 F 50WV	
C067	YESCC482	Ceramic, 0.01 F 50WV	
C203	YESCC550	Electrolytic, 3.3 F 50WV	
C204	YESCC454	Ceramic, 2.2 F	
C206	YESCC454	Ceramic, 2.2 F	
C208	YESCC529	Ceramic, 0.22 F 16WV	
C210	YESCC228	Ceramic, 0.1 F 16WV	
C220	YESCC549	Electrolytic, 2.2 F 50WV	
C234	YESCC228	Ceramic, 0.1 F 16WV	
C235	YESCC526	Ceramic, 0.18 F 25WV	
C237	YESCC530	Ceramic, 0.082 F 25WV	
C238	YESCC545	Electrolytic, 22 F 10WV	
C244	YESCC454	Ceramic, 2.2 F	
C245	YESCC482	Ceramic, 0.01 F 50WV	
C263	YESCC487	Ceramic, 0.47 F 16WV	
C267	YESCC487	Ceramic, 0.47 F 16WV	
C268	YESCC487	Ceramic, 0.47 F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C269	YESCC487	Ceramic, 0.47 μ F 16WV	
C271	YESCC486	Ceramic, 0.0047 μ F 50WV	
C272	YESCC486	Ceramic, 0.0047 μ F 50WV	
C276	YESCC548	Electrolytic, 47 μ F 16WV	
C277	YESCC452	Ceramic, 1 μ F 16WV	
C278	YESCC228	Ceramic, 0.1 μ F 16WV	
C279	YESCC368	Electrolytic, 2200 μ F 16WV	
C295	YESCC454	Ceramic, 2.2 μ F	
C296	YESCC454	Ceramic, 2.2 μ F	
C303	YESCC550	Electrolytic, 3.3 μ F 50WV	
C304	YESCC454	Ceramic, 2.2 μ F	
C306	YESCC454	Ceramic, 2.2 μ F	
C308	YESCC529	Ceramic, 0.22 μ F 16WV	
C309	YESCC546	Electrolytic, 10 μ F 16WV	
C310	YESCC313	Electrolytic, 220 μ F 10WV	
C320	YESCC549	Electrolytic, 2.2 μ F 50WV	
C339	YESCC527	Ceramic, 0.022 μ F 25WV	
C363	YESCC487	Ceramic, 0.47 μ F 16WV	
C367	YESCC487	Ceramic, 0.47 μ F 16WV	
C368	YESCC487	Ceramic, 0.47 μ F 16WV	
C369	YESCC487	Ceramic, 0.47 μ F 16WV	
C371	YESCC486	Ceramic, 0.0047 μ F 50WV	
C372	YESCC486	Ceramic, 0.0047 μ F 50WV	
C375	YESCC546	Electrolytic, 10 μ F 16WV	
C378	YESCC228	Ceramic, 0.1 μ F 16WV	
C401	YESCC476	Ceramic, 18pF 50WV	
C402	YESCC245	Ceramic, 12pF 50WV	
C403	YESCC482	Ceramic, 0.01 μ F 50WV	
C404	YESCC482	Ceramic, 0.01 μ F 50WV	
C405	YESCC544	Electrolytic, 100 μ F 6.3WV	
C409	YESCC543	Electrolytic, 680 μ F 10WV	
C411	F1J1H101A667	Ceramic, 100pF 50WV	
C412	F1J1H101A667	Ceramic, 100pF 50WV	
C413	F1J1H101A667	Ceramic, 100pF 50WV	
C414	YESCC551	Electrolytic, 4.7 μ F 50WV	
C415	YESCC482	Ceramic, 0.01 μ F 50WV	
C416	YESCC482	Ceramic, 0.01 μ F 50WV	
C430	YESCC313	Electrolytic, 220 μ F 10WV	
C602	YESCC378	Electrolytic, 1000 μ F 6.3WV	
C605	YESCC452	Ceramic, 1 μ F 16WV	
C606	YESCC487	Ceramic, 0.47 μ F 16WV	
C607	YECUS1H470JC	Ceramic, 47pF 50WV	
C608	YECUS1H470JC	Ceramic, 47pF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C609	YECUS1H470JC	Ceramic, 47pF 50WV	
C610	YECUS1H470JC	Ceramic, 47pF 50WV	
C611	YECUS1H470JC	Ceramic, 47pF 50WV	
C628	YESCC228	Ceramic, 0.1 μ F 16WV	
C629	YECUS1H470JC	Ceramic, 47pF 50WV	
C631	YESCC483	Ceramic, 0.1 μ F 50WV	
C632	YESCC377	Electrolytic, 47 μ F 6.3WV	
C634	YESCC223	Ceramic, 27pF 50WV	
C635	YECUS1H220JC	Ceramic, 22pF 50WV	
C636	YESCC454	Ceramic, 2.2 μ F	
C637	YESCC481	Ceramic, 0.001 μ F 50WV	
C638	YESCC454	Ceramic, 2.2 μ F	
C650	YESCC483	Ceramic, 0.1 μ F 50WV	
C651	YESCC482	Ceramic, 0.01 μ F 50WV	
C652	YESCC482	Ceramic, 0.01 μ F 50WV	
C655	F1J1H101A667	Ceramic, 100pF 50WV	
C660	YESCC549	Electrolytic, 2.2 μ F 50WV	
C661	YESCC567	Ceramic, 0.0027 μ F 50WV	
C665	YESCC483	Ceramic, 0.1 μ F 50WV	
C670	YESCC482	Ceramic, 0.01 μ F 50WV	
C671	YESCC483	Ceramic, 0.1 μ F 50WV	
C673	YESCC452	Ceramic, 1 μ F 16WV	
C681	YESCC228	Ceramic, 0.1 μ F 16WV	
C682	YESCC228	Ceramic, 0.1 μ F 16WV	
C683	YESCC228	Ceramic, 0.1 μ F 16WV	
C701	YESCC452	Ceramic, 1 μ F 16WV	
C710	YESCC482	Ceramic, 0.01 μ F 50WV	
C711	YESCC482	Ceramic, 0.01 μ F 50WV	
C741	YESCC538	Electrolytic, 150 μ F 6.3WV	
C751	YESCC368	Electrolytic, 2200 μ F 16WV	
C752	YESCC539	Electrolytic, 120 μ F 10WV	
C753	YESCC377	Electrolytic, 47 μ F 6.3WV	
C755	YESCC228	Ceramic, 0.1 μ F 16WV	
C756	YESCC482	Ceramic, 0.01 μ F 50WV	
C757	YESCC228	Ceramic, 0.1 μ F 16WV	
C770	YESCC547	Electrolytic, 100 μ F 16WV	
C790	YESCC228	Ceramic, 0.1 μ F 16WV	
C791	YESCC529	Ceramic, 0.22 μ F 16WV	
C792	YESCC515	Electrolytic, 47 μ F 16WV	
RESISTORS			
J101	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
J103	ERJ8GX0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J104	YESRG196	Chip, 0 $\frac{1}{8}W$	
J105	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J106	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J107	YESRG196	Chip, 0 $\frac{1}{8}W$	
J108	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J109	YESRG196	Chip, 0 $\frac{1}{8}W$	
J110	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J111	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J112	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J113	YESRG196	Chip, 0 $\frac{1}{8}W$	
J114	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J116	YESRG196	Chip, 0 $\frac{1}{8}W$	
J117	YESRG196	Chip, 0 $\frac{1}{8}W$	
J118	YESRG196	Chip, 0 $\frac{1}{8}W$	
J119	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J120	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J121	ERJ8GX0R00V	Chip, 0 $\frac{1}{8}W$	
J201	YESRG132	Chip, 0 $\frac{1}{4}W$	
J202	YESRG132	Chip, 0 $\frac{1}{4}W$	
J203	YESRG132	Chip, 0 $\frac{1}{4}W$	
J204	YESRG132	Chip, 0 $\frac{1}{4}W$	
J205	YESRG132	Chip, 0 $\frac{1}{4}W$	
J206	YESRG132	Chip, 0 $\frac{1}{4}W$	
J207	YESRG132	Chip, 0 $\frac{1}{4}W$	
J208	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J209	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J210	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J211	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J212	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J213	YESRG132	Chip, 0 $\frac{1}{4}W$	
J214	YESRG132	Chip, 0 $\frac{1}{4}W$	
J215	YESRG132	Chip, 0 $\frac{1}{4}W$	
J216	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J217	YESRG132	Chip, 0 $\frac{1}{4}W$	
J218	YESRG132	Chip, 0 $\frac{1}{4}W$	
J219	YESRG132	Chip, 0 $\frac{1}{4}W$	
J220	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J221	YESRG132	Chip, 0 $\frac{1}{4}W$	
J222	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J223	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J224	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J226	YESRG132	Chip, 0 $\frac{1}{4}W$	
J227	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	
J228	YESRG132	Chip, 0 $\frac{1}{4}W$	
J229	YESRG132	Chip, 0 $\frac{1}{4}W$	
J230	YESRG132	Chip, 0 $\frac{1}{4}W$	
J231	ERJ8GX0R00V	Chip, 0 $\frac{1}{4}W$	

Ref. No.	Part No.	Part Name & Description	Remarks
J232	YESRG132	Chip, 0 Ω 1/4W	
J233	YESRG132	Chip, 0 Ω 1/4W	
J234	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J235	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J236	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J237	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J238	YESRG132	Chip, 0 Ω 1/4W	
J239	YESRG132	Chip, 0 Ω 1/4W	
J240	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J241	YESRG132	Chip, 0 Ω 1/4W	
J242	YESRG132	Chip, 0 Ω 1/4W	
J243	YESRG132	Chip, 0 Ω 1/4W	
J244	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
R050	YESRG399	Chip, 5.6k Ω 1/8W	
R053	YESRG426	Chip, 120 Ω 1/8W	
R058	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R059	YESRG361	Chip, 100k Ω 1/8W	
R060	YESRG385	Chip, 33k Ω 1/8W	
R065	YESRG387	Chip, 39k Ω 1/8W	
R066	YESRG196	Chip, 0 Ω 1/8W	
R202	YESRG388	Chip, 4.3k Ω 1/8W	
R203	YESRG385	Chip, 33k Ω 1/8W	
R204	YESRG397	Chip, 5.6k Ω 1/8W	
R205	YESRG406	Chip, 9.1k Ω 1/8W	
R206	YESRG397	Chip, 5.6k Ω 1/8W	
R207	YESRG406	Chip, 9.1k Ω 1/8W	
R208	YESRG415	Chip, 18k Ω 1/8W	
R209	YESRG338	Carbon, 100 1/4W	
R225	YESRG205	Carbon, 1k 1/4W	
R226	YESRG205	Carbon, 1k 1/4W	
R237	YESRG360	Chip, 10k 1/8W	
R237	YESRG360	Chip, 10k 1/8W	
R238	YESRG385	Chip, 33k 1/8W	
R239	YESRG361	Chip, 100k 1/8W	
R245	YESRG349	Chip, 22 1/4W	
R261	ERJ8GX0R00V	Chip, 0 1/8W	
R262	ERJ8GX0R00V	Chip, 0 1/8W	
R263	YESRG396	Chip, 560 1/8W	
R267	YESRG396	Chip, 560 1/8W	
R275	YESRG376	Chip, 22k 1/8W	
R295	YESRG365	Chip, 130 1/8W	
R302	YESRG388	Chip, 4.3k 1/8W	
R303	YESRG385	Chip, 33k 1/8W	
R304	YESRG352	Chip, 5.6k 1/4W	
R305	YESRG354	Chip, 9.1k 1/4W	
R306	YESRG397	Chip, 5.6k 1/8W	
R307	YESRG406	Chip, 9.1k 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R308	YESRG415	Chip, 18k Ω 1/8W	
R309	YESRG338	Carbon, 100 Ω 1/4W	
R325	YESRG360	Chip, 10k Ω 1/8W	
R326	YESRG360	Chip, 10k Ω 1/8W	
R338	YESRG148	Chip, 47k Ω 1/4W	
R361	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R362	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R363	YESRG396	Chip, 560 Ω 1/8W	
R367	YESRG396	Chip, 560 Ω 1/8W	
R375	YESRG364	Chip, 12k Ω 1/8W	
R401	YESRG320	Chip, 2.2k Ω 1/8W	
R402	YESRG320	Chip, 2.2k Ω 1/8W	
R403	YESRG320	Chip, 2.2k Ω 1/8W	
R404	YESRG320	Chip, 2.2k Ω 1/8W	
R405	YESRG390	Chip, 4.7k Ω 1/8W	
R406	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R407	YESRG391	Chip, 47k Ω 1/8W	
R408	YESRG391	Chip, 47k Ω 1/8W	
R409	YESRG367	Chip, 1.5k Ω 1/8W	
R412	YESRG391	Chip, 47k Ω 1/8W	
R413	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R416	YESRG384	Chip, 330 Ω 1/8W	
R417	YESRG367	Chip, 1.5k Ω 1/8W	
R418	YESRG311	Chip, 2.7k Ω 1/4W	
R419	YESRG367	Chip, 1.5k Ω 1/8W	
R420	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R601	YESRG134	Chip, 1k Ω 1/4W	
R602	YESRG147	Chip, 4.7k Ω 1/4W	
R603	YESRG319	Chip, 1k Ω 1/8W	
R604	YESRG319	Chip, 1k Ω 1/8W	
R605	YESRG319	Chip, 1k Ω 1/8W	
R606	YESRG134	Chip, 1k Ω 1/4W	
R607	YESRG205	Carbon, 1k Ω 1/4W	
R608	YESRG360	Chip, 10k Ω 1/8W	
R609	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R610	YESRG139	Chip, 180k Ω 1/4W	
R611	YESRG360	Chip, 10k Ω 1/8W	
R612	YESRG359	Chip, 100 Ω 1/8W	
R613	YESRG361	Chip, 100k Ω 1/8W	
R614	YESRG361	Chip, 100k Ω 1/8W	
R615	YESRG319	Chip, 1k Ω 1/8W	
R616	YESRG319	Chip, 1k Ω 1/8W	
R617	YESRG319	Chip, 1k Ω 1/8W	
R618	YESRG134	Chip, 1k Ω 1/4W	
R619	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R622	YESRG361	Chip, 100k Ω 1/8W	
R623	YESRG361	Chip, 100k Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R624	YESRG244	Carbon, 100k Ω 1/4W	
R625	YESRG205	Carbon, 1k Ω 1/4W	
R626	YESRG205	Carbon, 1k Ω 1/4W	
R632	YESRG319	Chip, 1k Ω 1/8W	
R633	YESRG319	Chip, 1k Ω 1/8W	
R634	YESRG377	Chip, 220k Ω 1/8W	
R636	YESRG319	Chip, 1k Ω 1/8W	
R637	YESRG391	Chip, 47k Ω 1/8W	
R638	YESRG360	Chip, 10k Ω 1/8W	
R639	YESRG360	Chip, 10k Ω 1/8W	
R640	YESRG382	Chip, 27k Ω 1/8W	
R641	YESRG391	Chip, 47k Ω 1/8W	
R644	YESRG391	Chip, 47k Ω 1/8W	
R645	YESRG391	Chip, 47k Ω 1/8W	
R648	YESRG391	Chip, 47k Ω 1/8W	
R649	YESRG391	Chip, 47k Ω 1/8W	
R650	YESRG205	Carbon, 1k Ω 1/4W	
R651	YESRG205	Carbon, 1k Ω 1/4W	
R652	YESRG319	Chip, 1k Ω 1/8W	
R653	YESRG396	Chip, 560 Ω 1/8W	
R654	YESRG134	Chip, 1k Ω 1/4W	
R655	YESRG319	Chip, 1k Ω 1/8W	
R656	YESRG134	Chip, 1k Ω 1/4W	
R657	YESRG319	Chip, 1k Ω 1/8W	
R658	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R660	YESRG041	Chip, 270 Ω 1/4W	
R661	YESRG397	Chip, 5.6k Ω 1/8W	
R662	YESRG391	Chip, 47k Ω 1/8W	
R663	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R664	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R665	YESRG391	Chip, 47k Ω 1/8W	
R666	YESRG148	Chip, 47k Ω 1/4W	
R667	YESRG148	Chip, 47k Ω 1/4W	
R668	YESRG391	Chip, 47k Ω 1/8W	
R669	YESRG134	Chip, 1k Ω 1/4W	
R670	YESRG208	Carbon, 47k Ω 1/4W	
R672	YESRG391	Chip, 47k Ω 1/8W	
R673	YESRG319	Chip, 1k Ω 1/8W	
R674	YESRG389	Chip, 470 Ω 1/8W	
R675	YESRG389	Chip, 470 Ω 1/8W	
R676	YESRG389	Chip, 470 Ω 1/8W	
R677	YESRG319	Chip, 1k Ω 1/8W	
R678	YESRG373	Chip, 180k Ω 1/8W	
R679	YESRG319	Chip, 1k Ω 1/8W	
R680	YESRG389	Chip, 470 Ω 1/8W	
R681	YESRG389	Chip, 470 Ω 1/8W	
R682	YESRG389	Chip, 470 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R683	YESRG389	Chip, 470 Ω 1/8W	
R684	YESRG319	Chip, 1k Ω 1/8W	
R685	YESRG319	Chip, 1k Ω 1/8W	
R686	YESRG150	Chip, 5.6 Ω 1/4W	
R687	YESRG391	Chip, 47k Ω 1/8W	
R688	YESRG391	Chip, 47k Ω 1/8W	
R690	YESRG205	Carbon, 1k Ω 1/4W	
R691	YESRG360	Chip, 10k Ω 1/8W	
R692	YESRG381	Chip, 2.7k Ω 1/8W	
R693	YESRG381	Chip, 2.7k Ω 1/8W	
R694	YESRG319	Chip, 1k Ω 1/8W	
R695	YESRG381	Chip, 2.7k Ω 1/8W	
R696	YESRG394	Chip, 5.1k Ω 1/8W	
R697	YESRG394	Chip, 5.1k Ω 1/8W	
R698	YESRG219	Chip, 5.1k Ω 1/4W	
R699	YESRG217	Chip, 1.8k Ω 1/4W	
R701	YESRG207	Carbon, 3.3k Ω 1/4W	
R702	YESRG366	Chip, 13k Ω 1/8W	
R704	YESRG362	Chip, 11k Ω 1/8W	
R710	YESRG410	Chip, 200k Ω 1/8W	
R711	YESRG414	Chip, 620k Ω 1/8W	
R712	YESRG413	Chip, 30k Ω 1/8W	
R713	YESRG134	Chip, 1k Ω 1/4W	
R714	YESRG319	Chip, 1k Ω 1/8W	
R717	YESRG409	Chip, 2k Ω 1/8W	
R718	ERJ8GX0R00V	Chip, 0 Ω 1/8W	
R722	YESRG191	Chip, 22k Ω 1/4W	
R723	YESRG404	Chip, 8.2k 1/8W	
R724	YESRG388	Chip, 4.3k 1/8W	
R725	YESRG191	Chip, 22k 1/4W	
R730	YESRG388	Chip, 4.3k 1/8W	
R731	YESRG404	Chip, 8.2k 1/8W	
R740	YESRG136	Chip, 100k 1/4W	
R750	YESRG132	Chip, 0 1/4W	
R751	YESRG148	Chip, 47k 1/4W	
R752	YESRG367	Chip, 1.5k 1/8W	
R753	ERJ8GX0R00V	Chip, 0 1/8W	
R760	YESRG319	Chip, 1k 1/8W	
R761	YESRG337	Chip, 3.3k 1/8W	
R762	YESRG319	Chip, 1k 1/8W	
R763	YESRG132	Chip, 0 1/4W	
R770	YESRG319	Chip, 1k 1/8W	
R790	YESRG389	Chip, 470 1/8W	
R791	YESRG411	Chip, 2.4k 1/8W	
R792	YESRG412	Chip, 27k 1/8W	
CONNECTORS			

CONNECTORS

Ref. No.	Part No.	Part Name & Description	Remarks
CN251	YESAJ07031	RCA Wire (AUX1-IN)	
CN601	YESAE404	Connector, 17P	
CN650	YESAE411	Connector, 13P	
CN651	YESAJ07032	Connector w/ shield wire	
CN661	YESAE410	Connector, 18P	
CN701	YESAE351	Connector 16P	

RESISTOR NETWORK

RA602	YESXB017	Resistor Network, 1k Ω * 4	

COILS

L051	YESLQ035	Inductor	
L052	YESLQ028	Inductor	
L401	YESLQ017	Inductor	
L402	YESLQ017	Inductor	
L601	YESLQ045	Inductor	
L602	YESLQ045	Inductor	
L680	YESLQ027	Inductor	
L701	YESLT030	Inductor	
L710	YESLQ012	Inductor	
L770	YESLQ045	Inductor	

CRYSTALS

XL401	YESXL034	Crystal	
XL601	YESXL035	Crystal	
XL602	YESXL036	Crystal	

POSISTOR

PH701	YESRTD011	Posistor	

SERGE PROTECTOR / VARISTOR

Z050	YESRTD014	Serge Protector	
Z701	YESRTD012	Varistor	

SWITCH

SW670	YEAS08042	Switch	

[7221-06-11] SUB BLOCK

TRANSISTORS

Q260	YESAN118	Transistor	
Q261	YESAN121	Transistor	
Q262	YESAN118	Transistor	
Q263	YESAN121	Transistor	
Q360	YESAN118	Transistor	
Q361	YESAN121	Transistor	
Q363	YESAN118	Transistor	
Q364	YESAN121	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
CAPACITORS			
C264	YESCC536	Electrolytic, 4.7 μ F 25WV	
C265	YESCC536	Electrolytic, 4.7 μ F 25WV	
C291	YESRG196	Chip, 0 Ω 1/8W	
C364	YESCC536	Electrolytic, 4.7 μ F 25WV	
C365	YESCC536	Electrolytic, 4.7 μ F 25WV	
RESISTORS			
J101	YESRG241	Chip, 0 Ω 1/8W	
J102	YESRG241	Chip, 0 Ω 1/8W	
J104	YESRG241	Chip, 0 Ω 1/8W	
J105	YESRG241	Chip, 0 Ω 1/8W	
J201	YESRG132	Chip, 0 Ω 1/4W	
J203	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J204	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J206	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J207	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J209	ERJ8GX0R00V	Chip, 0 Ω 1/4W	
J210	YESRG132	Chip, 0 Ω 1/4W	
J211	YESRG132	Chip, 0 Ω 1/4W	
R260	YESRG241	Chip, 0 Ω 1/8W	
R261	YESRG241	Chip, 0 Ω 1/8W	
R262	YESRG138	Chip, 180 Ω 1/4W	
R264	YESRG371	Chip, 180 Ω 1/8W	
R265	YESRG360	Chip, 10k Ω 1/8W	
R266	YESRG360	Chip, 10k Ω 1/8W	
R268	YESRG370	Chip, 18 Ω 1/8W	
R269	YESRG348	Chip, 18 Ω 1/4W	
R360	YESRG241	Chip, 0 Ω 1/8W	
R361	YESRG241	Chip, 0 Ω 1/8W	
R362	YESRG371	Chip, 180 Ω 1/8W	
R364	YESRG371	Chip, 180 Ω 1/8W	
R365	YESRG360	Chip, 10k Ω 1/8W	
R366	YESRG360	Chip, 10k Ω 1/8W	
R368	YESRG370	Chip, 18 Ω 1/8W	
R369	YESRG370	Chip, 18 Ω 1/8W	
CONNECTORS			
CN250	YESAE412	Jack, RCA * 4	
CN302	YESAE407	Connector, 13P	
[7221-05-11] DISPLAY BLOCK			
IC's			
IC901	C0HBA0000195	IC	

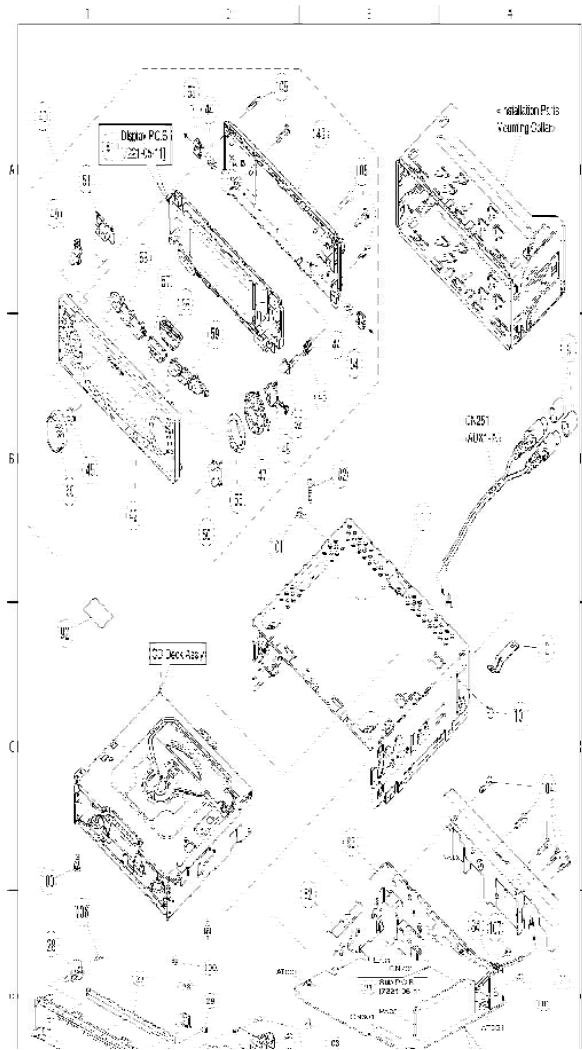
Ref. No.	Part No.	Part Name & Description	Remarks
IC905	YESAM264	IC	
DIODEs			
D901	YESAD166	LED	
D902	YESAD170	LED	
D903	YESAD170	LED	
D904	YESAD170	LED	
D906	YESAD170	LED	
D907	YESAD170	LED	
D908	YESAD170	LED	
D909	YESAD170	LED	
D910	YESAD170	LED	
D911	YESAD170	LED	
D912	YESAD170	LED	
D913	YESAD170	LED	
D914	YESAD170	LED	
D915	YESAD170	LED	
D920	YESAD168	LED	
D921	YESAD168	LED	
D931	YESAD150	Zener Diode	
D932	YESAD167	Diode	
D933	YESAD147	Zener Diode	
D934	YESAD150	Zener Diode	
D938	YESAD119	Zener Diode	
CAPACITORs			
C905	YESCC523	Ceramic, 0.1 μ F 16WV	
C906	YESCC441	Ceramic, 1000pF 50WV	
C914	YESCC523	Ceramic, 0.1 μ F 16WV	
C915	YESCC523	Ceramic, 0.1 μ F 16WV	
C916	YESCC523	Ceramic, 0.1 μ F 16WV	
C922	YESCC532	Ceramic, 47pF 50WV	
C923	YESCC542	Ceramic, 680pF	
RESISTORs			
R903	YESRG358	Chip, 470 Ω 1/10W	
R904	YESRG222	Chip, 1k Ω 1/10W	
R905	YESRG222	Chip, 1k Ω 1/10W	
R906	YESRG222	Chip, 1k Ω 1/10W	
R908	YESRG359	Chip, 100 Ω 1/8W	
R909	YESRG222	Chip, 1k Ω 1/10W	
R910	YESRG227	Chip, 2.2k Ω 1/10W	
R911	YESRG241	Chip, 0 Ω 1/8W	
R912	YESRG241	Chip, 0 Ω 1/8W	
R920	YESRG190	Chip, 220 Ω 1/4W	
R921	YESRG190	Chip, 220 Ω 1/4W	
R922	YESRG132	Chip, 0 Ω 1/4W	
R938	YESRG233	Chip, 47k Ω 1/10W	
R939	YESRG234	Chip, 4.7 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R940	YESRG378	Chip, 240  1/8W	
R941	YESRG384	Chip, 330  1/8W	
R943	YESRG396	Chip, 560  1/8W	
R944	YESRG396	Chip, 560  1/8W	
R945	YESRG384	Chip, 330  1/8W	
R946	YESRG384	Chip, 330  1/8W	
R951	YESRG241	Chip, 0  1/8W	
CONNECTORs			
CN901	YESAE376	Connector 14P	
CN922	YESAE406	Connector, 2P	
CN923	YESAE406	Connector, 2P	
SWITCHes			
SW901	YESAS123	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW904	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
SW915	K0H1BA000445	Switch	
SW916	K0H1BA000445	Switch	
LCD			
LD901	YESXDCM028	LCD	
[7221-03-11] CONNECTOR BLOCK			
DIODEs			
D990	YESAD170	LED	
D991	YESAD170	LED	
D995	YESAD155	Diode	
RESISTORs			
J901	YESRG132	Chip, 0 1/4W	
J902	YESRG132	Chip, 0 1/4W	
J903	YESRG132	Chip, 0 1/4W	
J904	YESRG132	Chip, 0 1/4W	
J905	YESRG132	Chip, 0 1/4W	
J906	YESRG132	Chip, 0 1/4W	
J907	YESRG132	Chip, 0 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
J908	YESRG132	Chip, 0  1/4W	
R990	YESRG422	Chip, 820  1/10W	
R991	YESRG422	Chip, 820  1/10W	
R992	YESRG241	Chip, 0  1/8W	
CONNECTORs			
CN990	YESAE405	Connector, 17P	
CN991	YESAE377	Connector, 14P	
SWITCHes			
SW990	K0H1BA000445	Switch	
Accessories			
PRINTINGS			
	YEFM285751	Operating Instructions	
	YEFM262694	System Upgrade Guidebook	
	YEFM294103	Installation Instructions	
INSTALLATION PARTS			
	YEFA131839	Removable Face Plate Case	
	EUR7641010	Remote Control Unit	
	CR2025/1F	Lithiumu Battery	
	YEFC051011	Trim Plate	
	YGAJ021011	Power Connector	
	YEFX0217263	Mounting Collar	
	YEP0FZ5698	Installation kit (Lock Cancel Plate, Mounting Bolt, Rubber Bushing)	
MECHANICAL PARTS			
MISCELLANEOUS			
AT001	YESAT01031	Earth Terminal	
AT002	YESAT01031	Earth Terminal	
AT051	YM104C700ZA	Antenna Receptacle	
1	YESFA01073	Main Chassis	
2	YESFX005155	Ground Contactor	
4	YESFF01086	Heat Sink	
6	YESFR01019	RCA CAP	
7	YESFA05037	Bottom Cover	
20	YESAP482	Main PCB w/ Components	RTL
21	YESAP468	Sub PCB w/ Components	RTL
25	YESFC02225	Escutcheon	
26	YESFE13220	Button (Eject)	
27	YESFS01092	Dust Felt	
28	YESFX999066	Bracket Arm Ass'y	
29	YESFX001034	CD Indicator	
30	YESFX999073	Hook Bracket Ass'y	
31	YESAP470	Connector PCB w/ Components	RTL
32	YESFE13221	Button, Detect	
33	YESFX999065	Guide, Detect Button	

Ref. No.	Part No.	Part Name & Description	Remarks
34	YESFX005157	Spring, Return	
35	YESFX005158	Spring, Guide	
40	YESSDF0174	Removable Face Plate Unit	RTL
41	YESAP483	Display PCB w/ Components	RTL
42	YESFC02240	Detachable Face Ass'y	
43	YESFA07016	Rear Cover	
44	YESFX005135	Spring	
45	YESFX005138	Knob Spring	
46	YESFX005136	Open Button Spring	
47	YESFE13250	Button (TUNE/TRACK)	
48	YESFE13251	Button (BAND)	
49	YESFE13253	Button (SQ)	
50	YESFE13252	Button (DISP)	
51	YESFE13260	Button, MUTE	
52	YESFE13261	Button, OPEN	
53	YESFX999068	Shaft Collar	
54	YESFX999069	Shaft Collar	
55	YESFX999071	Ring, TUNE/TRACK	
56	YESFE13259	Button (SRC)	
57	YESFE13262	Knob, SRC Button	
58	YESFE13254	Button (PRESET 1-3)	
59	YESFE13255	Button (PRESET 4-6)	
60	YESFE02026	Vol Knob Ass'y	
82	YESFX021140	Regulator Bracket	
83	YESFA08047	Rear Plate	
84	YESFX007027	RCA Bush	
92	YESFM01089	Laser Seal	
100	YESJS01189	Screw, 2.6*4.0	
101	YESJS01188	Bind S Tite, 2.6*5.0	
102	YESJT03074	Bind Tapping, 2.6*8	
103	YESJS01190	Screw, 2.6*6.0	
104	YESJS01187	Bind Screw, 2.6*10	
105	YESJT03075	Tapping Screw, 2.0*8.0	
106	YESJT03076	Tapping Screw, 2*6	
107	YESJS01203	Bind Screw, 2.6*6	

12. EXPLODED VIEW (Unit)



13. CD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-34] CD Servo Block			
IC's and TRANSISTORS			
IC101	YESAM337	IC	
IC201	YESAM343	IC	
IC301	YESAM339	IC	
IC401	YESAM341	IC	
IC402	YESAM342	IC	
IC403	YESAM341	IC	
Q201	YESAN086	Transistor	
Q202	B1GDCFJJ0008	Transistor	
Q203	YESAN116	Transistor	
Q204	YESAN116	Transistor	
CAPACITORS			
C101	YESCC439	Ceramic, 0.1 ^{μF} F 25WV	
C102	YESCC439	Ceramic, 0.1 F 25WV	
C103	YESCC439	Ceramic, 0.1 F 25WV	
C104	YESCC441	Ceramic, 1000pF 50WV	
C105	YESCC441	Ceramic, 1000pF 50WV	
C151	YESCC388	Electrolytic, 100uF 16WV	
C201	YESCC448	Ceramic, 0.033 F 25WV	
C202	YESCC448	Ceramic, 0.033 F 25WV	
C203	YESCC439	Ceramic, 0.1 F 25WV	
C204	YESCC439	Ceramic, 0.1 F 25WV	
C205	YESCC439	Ceramic, 0.1 F 25WV	
C206	YESCC439	Ceramic, 0.1 F 25WV	
C207	YESCC439	Ceramic, 0.1 F 25WV	
C208	YESCC439	Ceramic, 0.1 F 25WV	
C209	YESCC446	Ceramic, 2200pF 50WV	
C210	YESCC439	Ceramic, 0.1 F 25WV	
C211	YESCC439	Ceramic, 0.1 F 25WV	
C212	YESCC439	Ceramic, 0.1 F 25WV	
C213	YESCC439	Ceramic, 0.1 F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C214	YESCC435	Ceramic, 47pF 50WV	
C215	YESCC444	Ceramic, 0.015 μ F 50WV	
C216	YESCC442	Ceramic, 0.01 μ F 50WV	
C218	YESCC442	Ceramic, 0.01 μ F 50WV	
C219	YESCC525	Ceramic, 0.047 μ F 50WV	
C220	YESCC439	Ceramic, 0.1 μ F 25WV	
C221	YESCC442	Ceramic, 0.01 μ F 50WV	
C222	YESCC439	Ceramic, 0.1 μ F 25WV	
C223	YESCC444	Ceramic, 0.015 μ F 50WV	
C224	YESCC439	Ceramic, 0.1 μ F 25WV	
C225	YESCC520	Ceramic, 68pF 50WV	
C226	YESCC439	Ceramic, 0.1 μ F 25WV	
C227	YESCC439	Ceramic, 0.1 μ F 25WV	
C228	YESCC439	Ceramic, 0.1 μ F 25WV	
C229	YESCC439	Ceramic, 0.1 μ F 25WV	
C230	YESCC442	Ceramic, 0.01 μ F 50WV	
C231	YESCC442	Ceramic, 0.01 μ F 50WV	
C232	YESCC388	Electrolytic, 100uF 16WV	
C233	YESCC388	Electrolytic, 100uF 16WV	
C234	YESCC439	Ceramic, 0.1 μ F 25WV	
C235	YESCC442	Ceramic, 0.01 μ F 50WV	
C236	YESCC439	Ceramic, 0.1 μ F 25WV	
C237	YESCC432	Ceramic, 220pF 50WV	
C238	YESCC432	Ceramic, 220pF 50WV	
C241	YESCC521	Ceramic, 680pF 50WV	
C242	YESCC521	Ceramic, 680pF 50WV	
C251	YESCC459	Electrolytic, 47 μ F 6.3WV	
C252	YESCC388	Electrolytic, 100uF 16WV	
C253	YESCC458	Electrolytic, 100 μ F 4WV	
C256	YESCC388	Electrolytic, 100uF 16WV	
C257	YESCC388	Electrolytic, 100uF 16WV	
C258	YESCC391	Electrolytic, 100uF 16WV	
C260	YESCC439	Ceramic, 0.1 μ F 25WV	
C261	YESCC439	Ceramic, 0.1 μ F 25WV	
C263	YESCC439	Ceramic, 0.1 μ F 25WV	
C264	YESCC524	Ceramic, 0.033 μ F 50WV	
C301	YESCC519	Ceramic, 470pF 50WV	
C302	YESCC519	Ceramic, 470pF 50WV	
C303	YESCC450	Ceramic, 0.047 μ F 25WV	
C305	YESCC450	Ceramic, 0.047 μ F 25WV	
C306	YESCC439	Ceramic, 0.1 μ F 25WV	
C351	YESCC390	Electrolytic, 220uF 10WV	
C352	YESCC390	Electrolytic, 220uF 10WV	
C401	YESCC452	Ceramic, 1 μ F 16WV	
C403	YESCC453	Ceramic, 0.47 μ F 25WV	

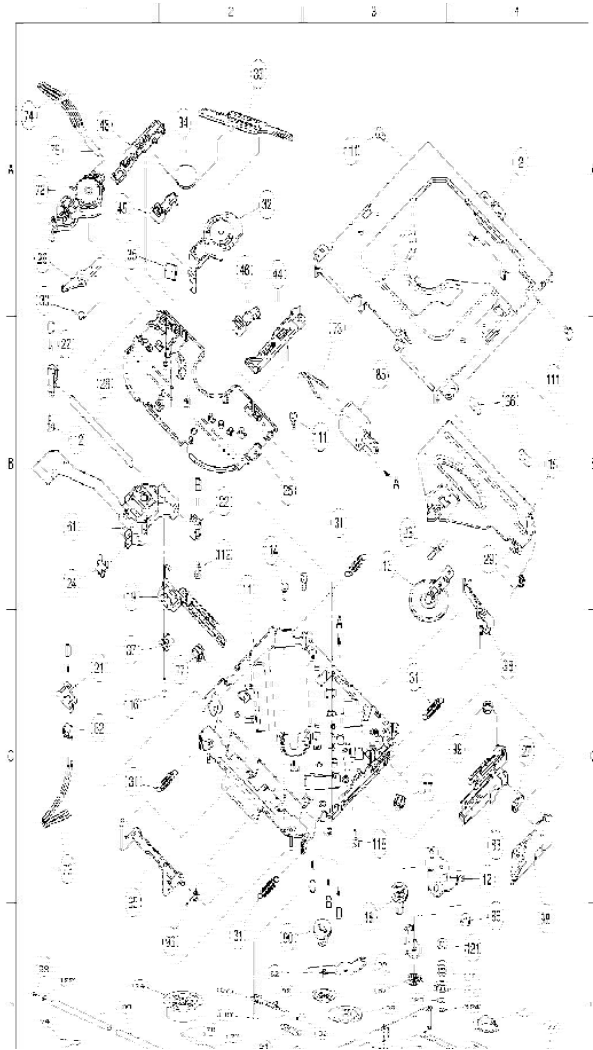
Ref. No.	Part No.	Part Name & Description	Remarks
C407	YESCC452	Ceramic, 1 μ F 16WV	
C408	YESCC453	Ceramic, 0.47 μ F 25WV	
C451	YESCC459	Electrolytic, 47 μ F 6.3WV	
C452	YESCC459	Electrolytic, 47 μ F 6.3WV	
C454	YESCC459	Electrolytic, 47 μ F 6.3WV	
C455	YESCC553	Electrolytic, 47uF 10WV	
RESISTORS			
L101	YESRG241	Chip, 0 Ω 1/8W	
L301	YESRG241	Chip, 0 Ω 1/8W	
L401	YESRG241	Chip, 0 Ω 1/8W	
L403	YESRG241	Chip, 0 Ω 1/8W	
R101	YESRG233	Chip, 47k Ω 1/10W	
R102	YESRG233	Chip, 47k Ω 1/10W	
R103	YESRG233	Chip, 47k Ω 1/10W	
R104	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R109	YESRG221	Chip, 100 Ω 1/10W	
R110	YESRG223	Chip, 10k Ω 1/10W	
R111	YESRG221	Chip, 100 Ω 1/10W	
R113	YESRG221	Chip, 100 Ω 1/10W	
R115	YESRG223	Chip, 10k Ω 1/10W	
R116	YESRG232	Chip, 4.7k Ω 1/10W	
R117	YESRG232	Chip, 4.7k Ω 1/10W	
R118	YESRG232	Chip, 4.7k Ω 1/10W	
R119	YESRG232	Chip, 4.7k Ω 1/10W	
R120	YESRG232	Chip, 4.7k Ω 1/10W	
R121	YESRG232	Chip, 4.7k 1/10W	
R122	YESRG232	Chip, 4.7k 1/10W	
R124	YESRG223	Chip, 10k 1/10W	
R125	YESRG223	Chip, 10k 1/10W	
R126	YESRG223	Chip, 10k 1/10W	
R128	YESRG228	Chip, 22k 1/10W	
R129	YESRG227	Chip, 2.2k 1/10W	
R130	YESRG221	Chip, 100 1/10W	
R131	YESRG221	Chip, 100 1/10W	
R132	YESRG221	Chip, 100 1/10W	
R134	YESRG223	Chip, 10k 1/10W	
R135	YESRG221	Chip, 100 1/10W	
R136	YESRG226	Chip, 220 1/10W	
R139	YESRG223	Chip, 10k 1/10W	
R142	ERJ3GEY0R00V	Chip, 0 1/16W	
R201	YESRG224	Chip, 100k 1/10W	
R202	YESRG355	Chip, 1M 1/10W	
R203	ERJ3GEY0R00V	Chip, 0 1/16W	
R204	ERJ3GEY0R00V	Chip, 0 1/16W	
R205	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R206	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R207	YESRG224	Chip, 100k Ω 1/10W	
R208	YESRG224	Chip, 100k Ω 1/10W	
R209	YESRG226	Chip, 220 Ω 1/10W	
R210	YESRG224	Chip, 100k Ω 1/10W	
R211	YESRG224	Chip, 100k Ω 1/10W	
R212	YESRG224	Chip, 100k Ω 1/10W	
R213	YESRG224	Chip, 100k Ω 1/10W	
R214	YESRG224	Chip, 100k Ω 1/10W	
R215	YESRG224	Chip, 100k Ω 1/10W	
R217	YESRG237	Chip, 5.6k Ω 1/10W	
R218	YESRG357	Chip, 150k Ω 1/10W	
R219	YESRG233	Chip, 47k Ω 1/10W	
R221	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R222	YESRG356	Chip, 15k Ω 1/10W	
R223	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R224	YESRG228	Chip, 22k Ω 1/10W	
R225	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R226	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R229	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R231	YESRG234	Chip, 4.7 Ω 1/10W	
R232	YESRG223	Chip, 10k Ω 1/10W	
R233	YESRG228	Chip, 22k Ω 1/10W	
R241	YESRG229	Chip, 330 Ω 1/10W	
R242	YESRG233	Chip, 47k Ω 1/10W	
R243	YESRG229	Chip, 330 Ω 1/10W	
R244	YESRG233	Chip, 47k Ω 1/10W	
R245	YESRG224	Chip, 100k 1/10W	
R246	ERJ3GEY0R00V	Chip, 0 1/16W	
R247	ERJ3GEY0R00V	Chip, 0 1/16W	
R248	ERJ3GEY0R00V	Chip, 0 1/16W	
R249	ERJ3GEY0R00V	Chip, 0 1/16W	
R250	YESRG229	Chip, 330 1/10W	
R253	YESRG222	Chip, 1k 1/10W	
R254	YESRG222	Chip, 1k 1/10W	
R301	YESRG230	Chip, 3.3k 1/10W	
R302	YESRG227	Chip, 2.2k 1/10W	
R303	ERJ3GEY0R00V	Chip, 0 1/16W	
R304	YESRG230	Chip, 3.3k 1/10W	
R305	YESRG223	Chip, 10k 1/10W	
R306	ERJ3GEY0R00V	Chip, 0 1/16W	
R307	YESRG230	Chip, 3.3k 1/10W	
R308	YESRG227	Chip, 2.2k 1/10W	
R309	ERJ3GEY0R00V	Chip, 0 1/16W	
R310	YESRG230	Chip, 3.3k 1/10W	
R311	YESRG227	Chip, 2.2k 1/10W	
R312	ERJ3GEY0R00V	Chip, 0 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R314	YESRG356	Chip, 15k Ω 1/10W	
R324	YESRG223	Chip, 10k Ω 1/10W	
R325	YESRG223	Chip, 10k Ω 1/10W	
R326	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
CONNECTORs			
CN101	YESAE409	Connector, 18P	
CN102	YESAE350	Connector, 16P	
COILs			
L201	YESLQ036	Inductor	
L202	YESLQ036	Inductor	
L402	YESLQ011	Inductor	
CRYSTALs			
X101	YESXL033	Crystal	
X201	YESXL018	Crystal	
MECAHNICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFA01075	Chassis Rivet Ass'y	
12	YERFX046001	Change Plate Rivet Ass'y	
13	YERFX007001	Clamper Ass'y	
14	YESAK01047	Spindle Motor Ass'y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Change Gear Spring	
17	YERFX03001	Change Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	Pick-up Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	Pick-up Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	

Ref. No.	Part No.	Part Name & Description	Remarks
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece R	
46	YERFX046011	Select Piece L	
61	YESSZ1099WM	Optical Pick-up Ass'y	
62	YERAS0001	Detection Switch	
71	YESAP456	Servo PC Board w/component	RTL
72	YESFX046176	Mode Switch	
73	YESAJ07014	Loding Motor Wire	
74	YESAJ07015	Mode Switch Wire	
77	YERFX999001	Wire Clamper M	
78	YESFX024021	WIRE TUBE SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass'y	
82	YERFX046012	Loading Gear Plate Rivet Ass'y	
83	YERFX046013	Loading Plate Ass'y	
84	YESFX046173	Lock Arm Rivet Ass'y	
85	YESAK01042	Loading/Feed Motor Ass'y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Roller Guide Spring	
95	YERFX046015	Disc Stopper Arm	
96	YERFX005008	Disc Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw, 2*4	
114	YERJS01002	Camera Screw, 1.7*1.8	
115	YERJS01003	Camera Screw, 2*2	
116	YERJS01004	Camera Tapping Screw, 1.7*5	
118	YESJS01148	Screw, 2*4	
121	YERJW01001	P Washer, 3.5*8*0.3	
122	YERJW01002	HL Washer, 1.85*5*0.13	
123	YERJW01003	Lumilar Washer, 3.1*6*0.1	
124	YEJE01028	E-Ring S 1.5	
125	YERJW01005	P Washer, 2.1*4*0.13	

14. EXPLODED VIEW (CD Deck)



15. WIRING DIAGRAM

15.1. Display Block

15.2. Main/Connector Block (Top View)

15.3. Main/Connector Block (Bottom View)

15.4. Sub Block

15.5. CD Servo Block (Top View)

15.6. CD Servo Block (Bottom View)

16. SCHEMATIC DIAGRAM -1

16.1. Connector Block

16.2. Sub Block

17. SCHEMATIC DIAGRAM -2

17.1. Main Block

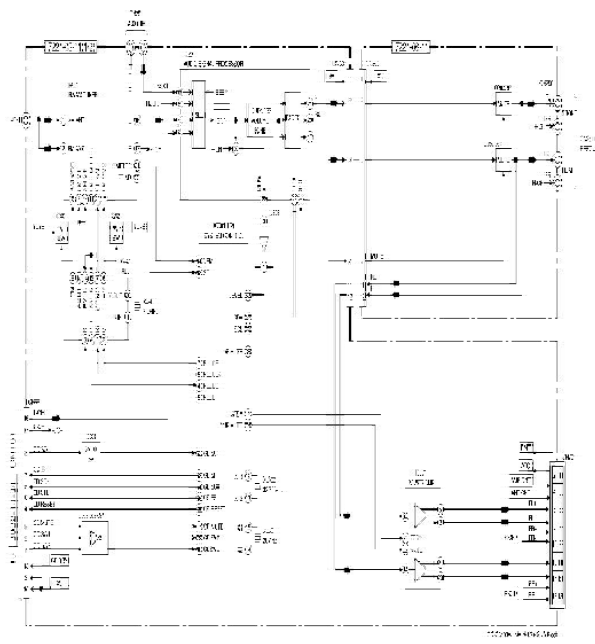
17.2. Display Block

17.3. CD Servo Block

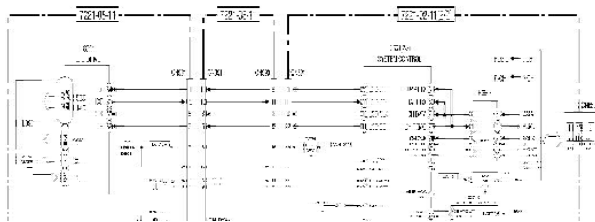
THIS PAGE IS JUST FOR
THE PAGE LAYOUT USE
ONLY.

18. BLOCK DIAGRAM

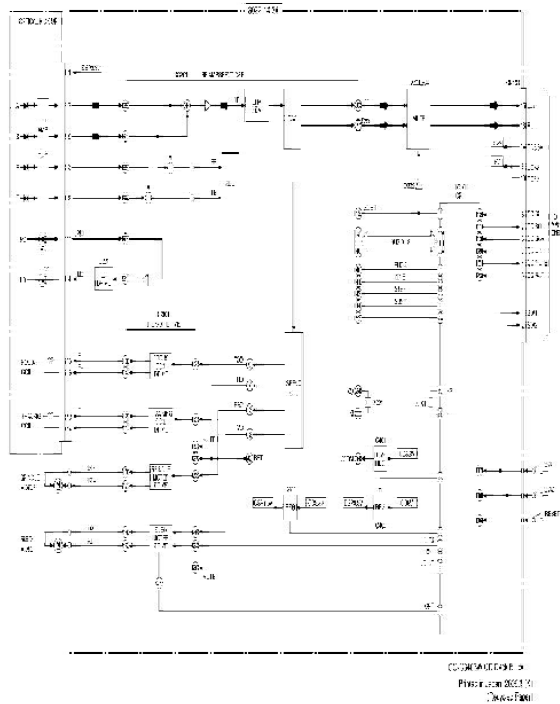
18.1. Main -1 / Sub Block



18.2. Main -2/ Display/ Connector Block



18.3. CD Servo Block



19. SCHEMATIC DIAGRAM for Printing with A4 Size

19.1. Main Block (Left Side)

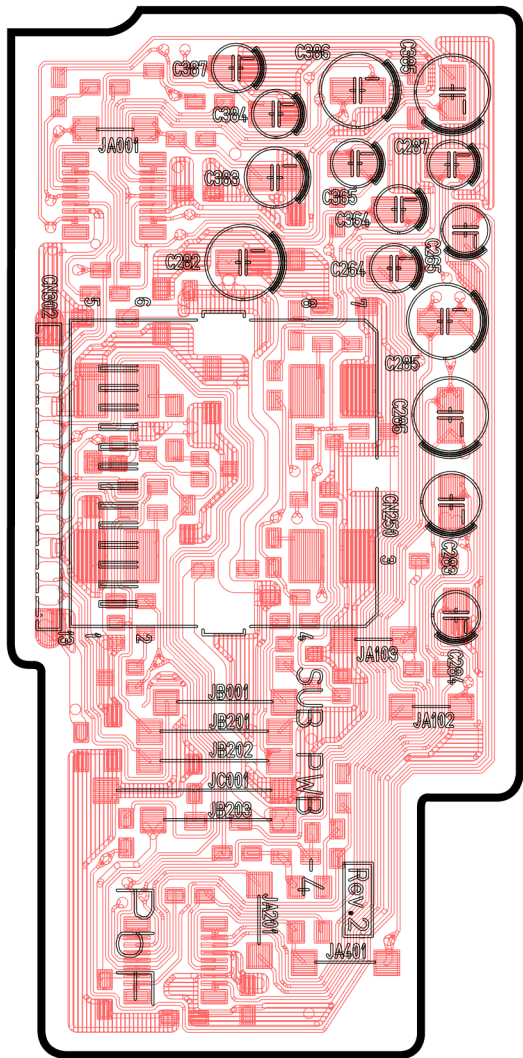
19.2. Main Block (Right Side)

19.3. Display Block (Left Side)

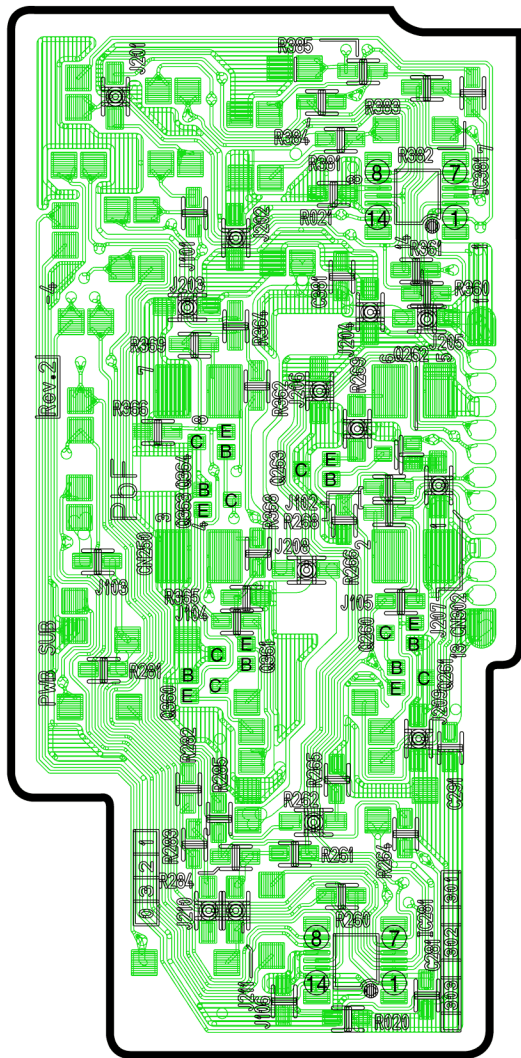
19.4. Display Block (Right Side)

19.5. CD Servo Block (Left Side)

19.6. CD Servo Block (Right Side)



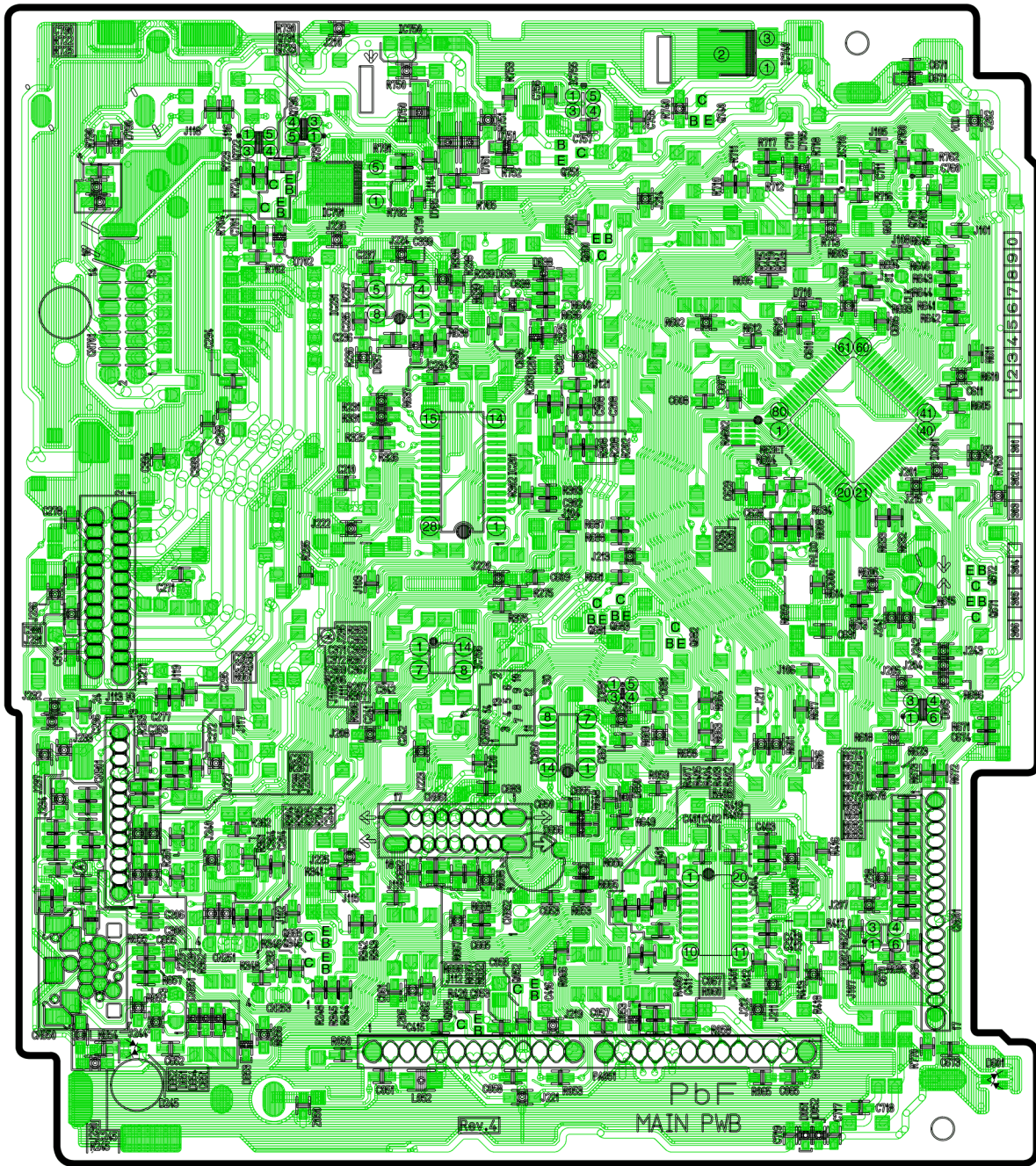
[7221-06-11] [Top View]



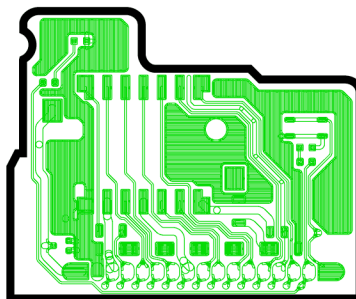
[7221-06-11] [Bottom View]



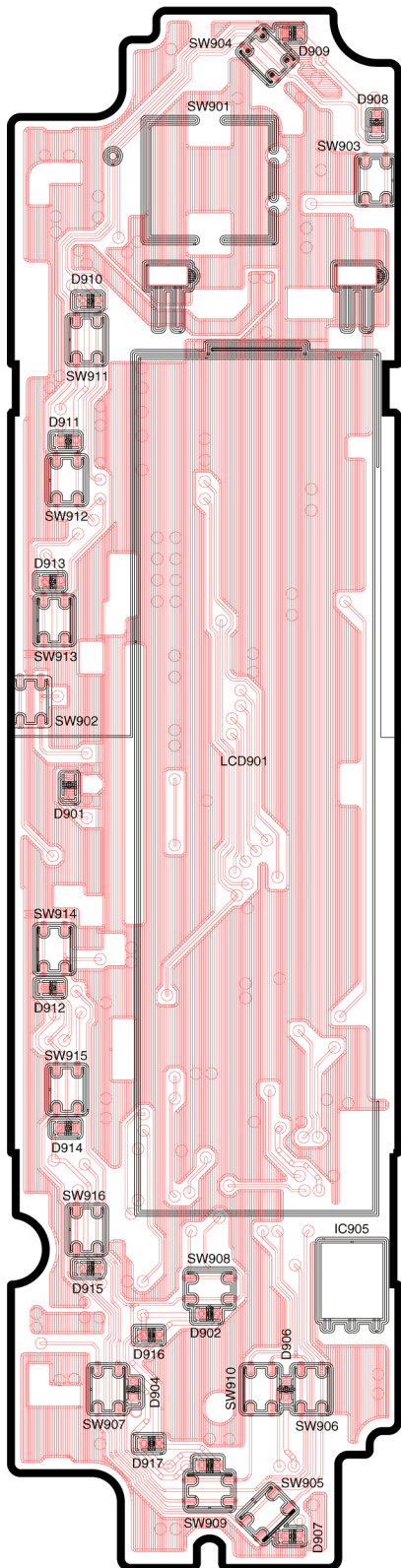
CQ-C3403W MAIN,CONNECTOR P.C.B



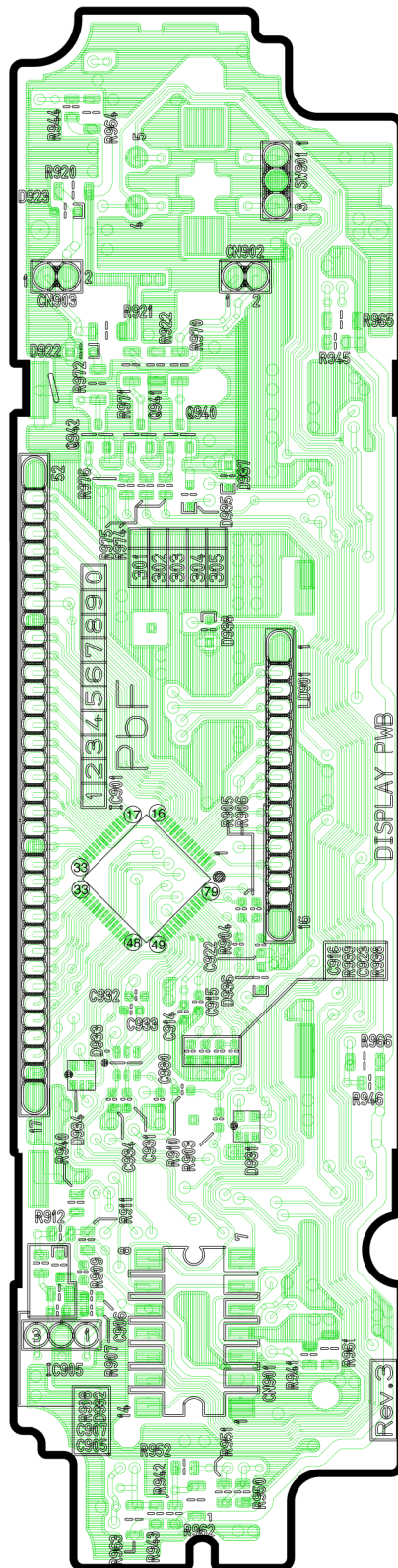
[7221-02-11] [Bottom View]



[7221-03-11] [Bottom View]

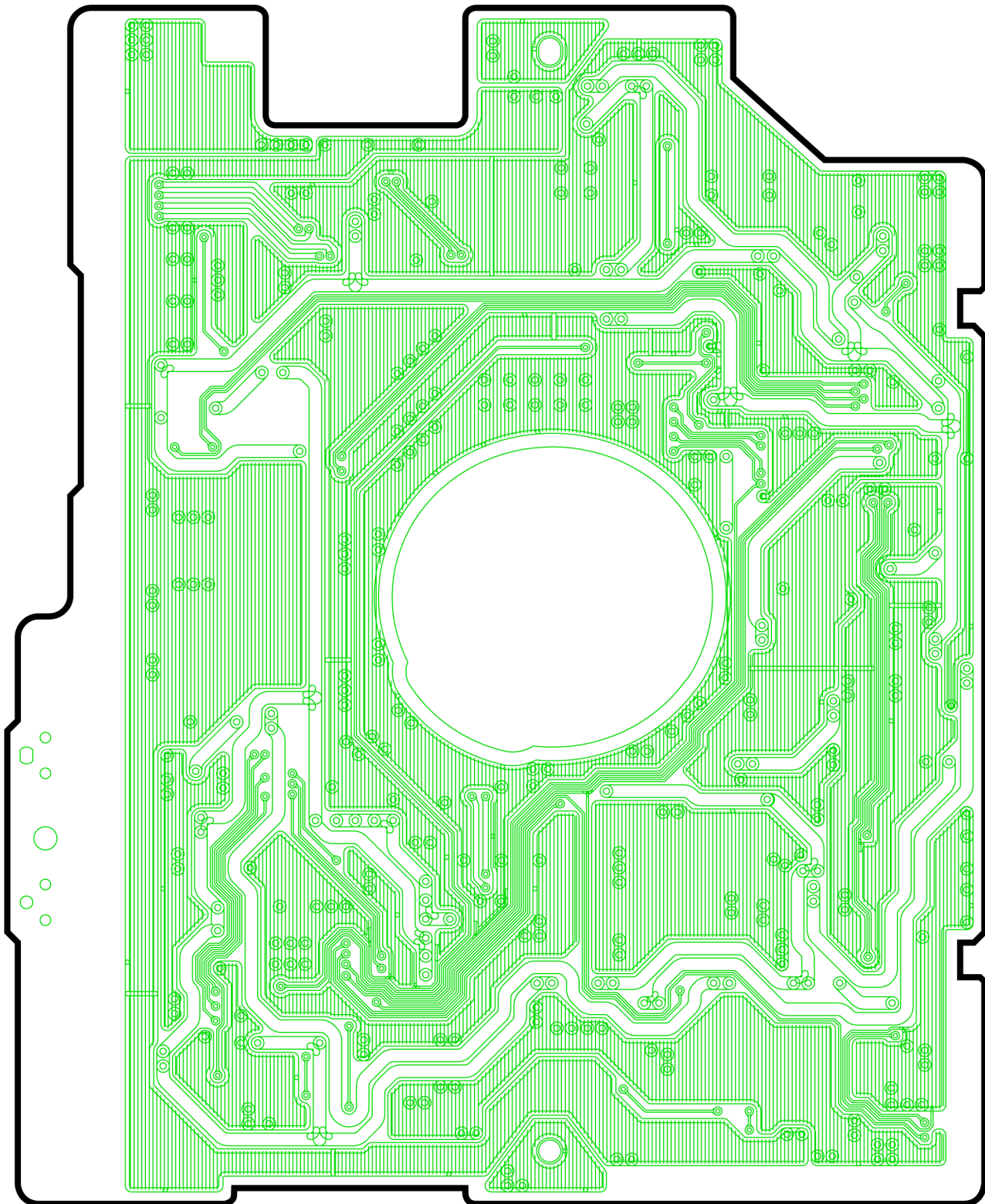


[7221-05-11] [Top View]



[7221-05-11] [Bottom View]

[3032-14-34] [Top View]



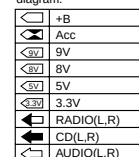
[3032-14-34] [Bottom View]

To 7221-06-11 CN302



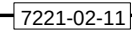
LG1	PM				AM				PM				AM			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
3	4	0	4	0	2	7	4	2	4	5	4	2	8	5	0	0
4	4	0	4	0	2	7	4	2	4	5	4	2	8	5	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	4	9	4	9	4	9	4	9	0	0	0	0	0	0	0	0
11	4	9	4	9	4	9	4	9	0	0	0	0	0	0	0	0
12	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
13	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
14	2	5	2	5	3	4	2	5	4	5	4	6	7	4	8	5
15	2	5	2	5	3	4	2	5	4	5	4	6	7	4	8	5
16	2	5	2	5	3	4	2	5	4	5	4	6	7	4	8	5
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	4	5	4	5	4	5	4	5	0	0	0	0	0	0	0	0
20	4	5	4	5	4	5	4	5	0	0	0	0	0	0	0	0

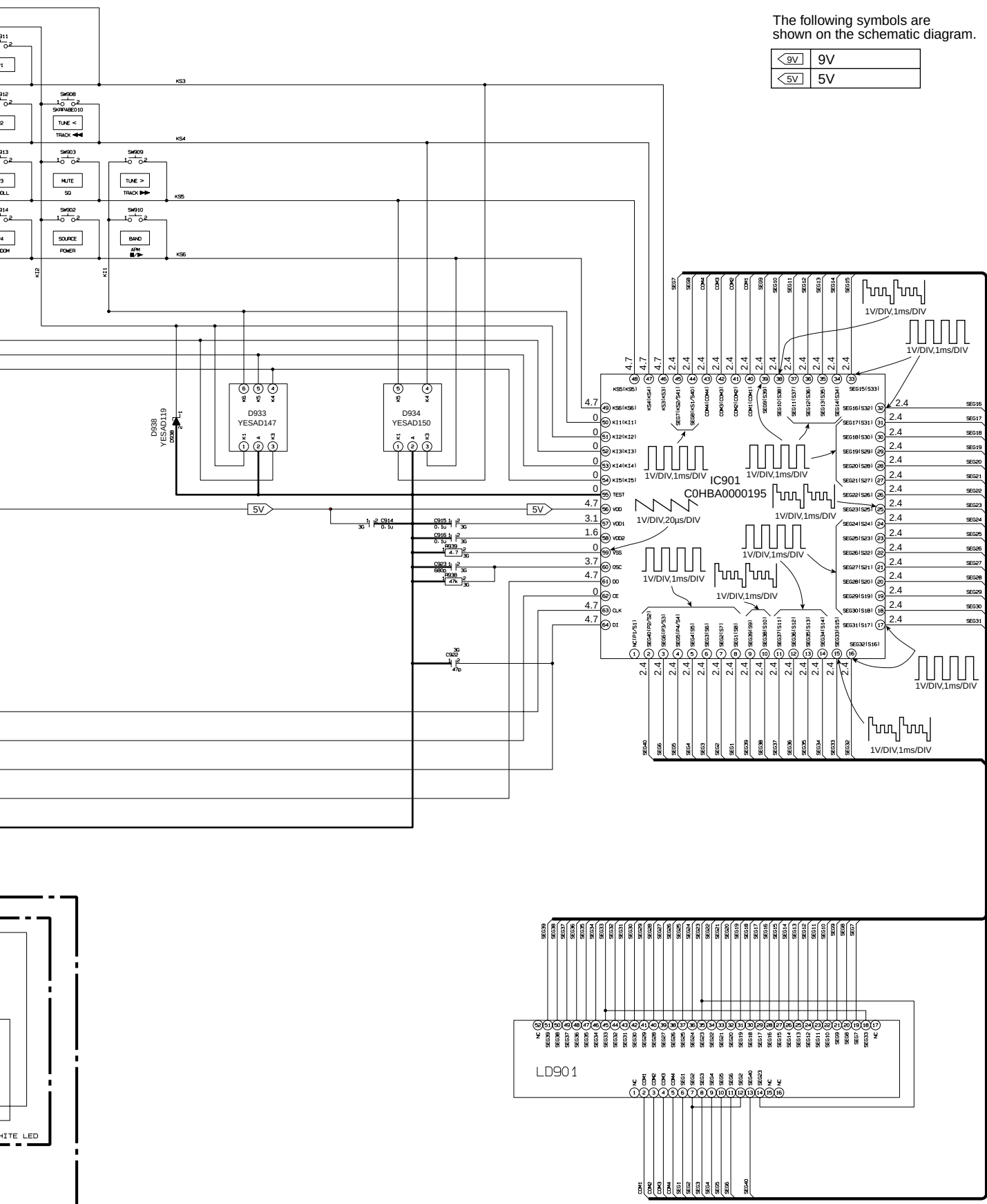
The following symbols are shown on the schematic diagram.



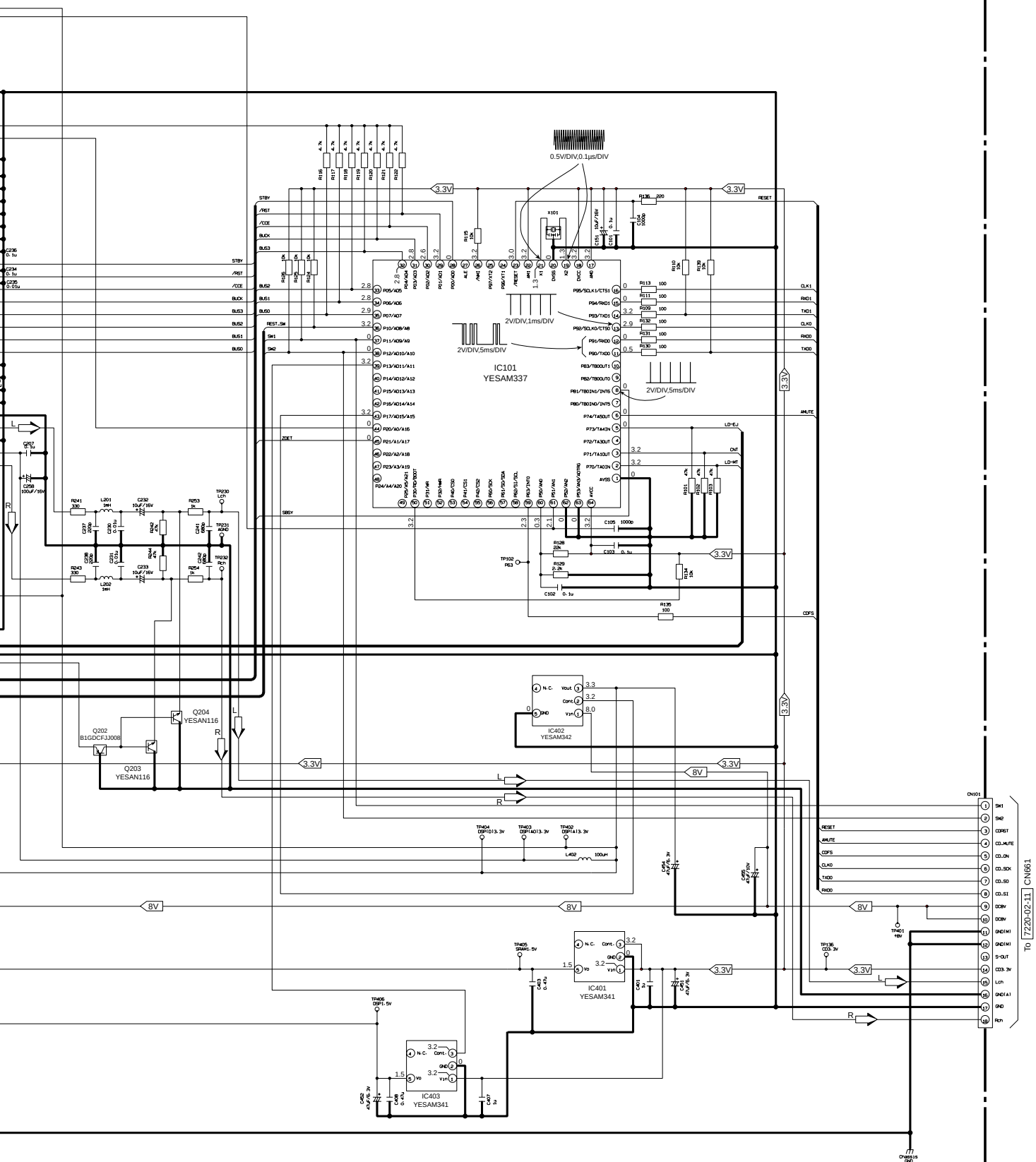
20

17.1. Main Block



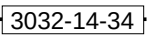


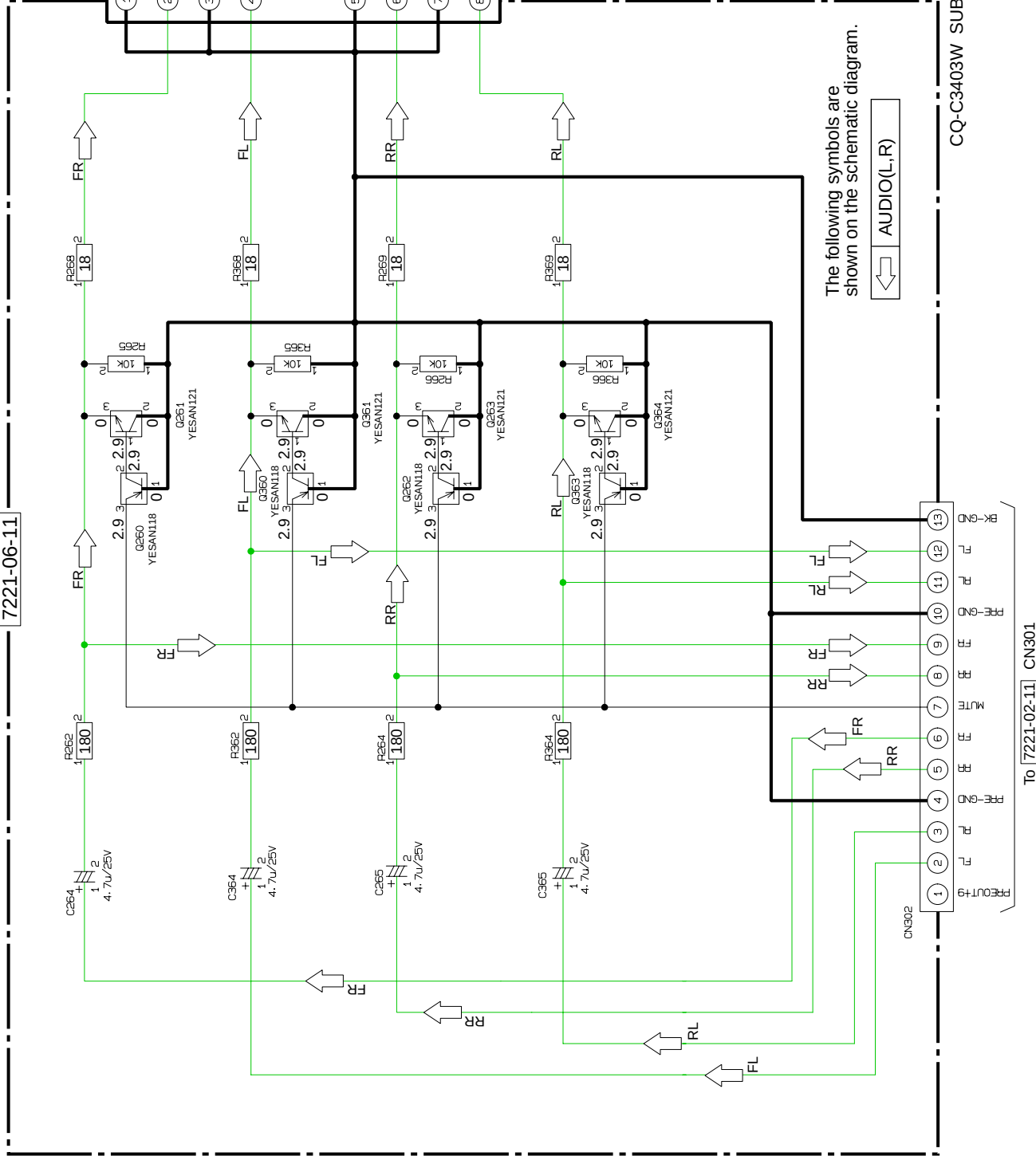
3032-14-34



CQ-C3403W CD DECK

A red plus sign (+) is centered on the page.

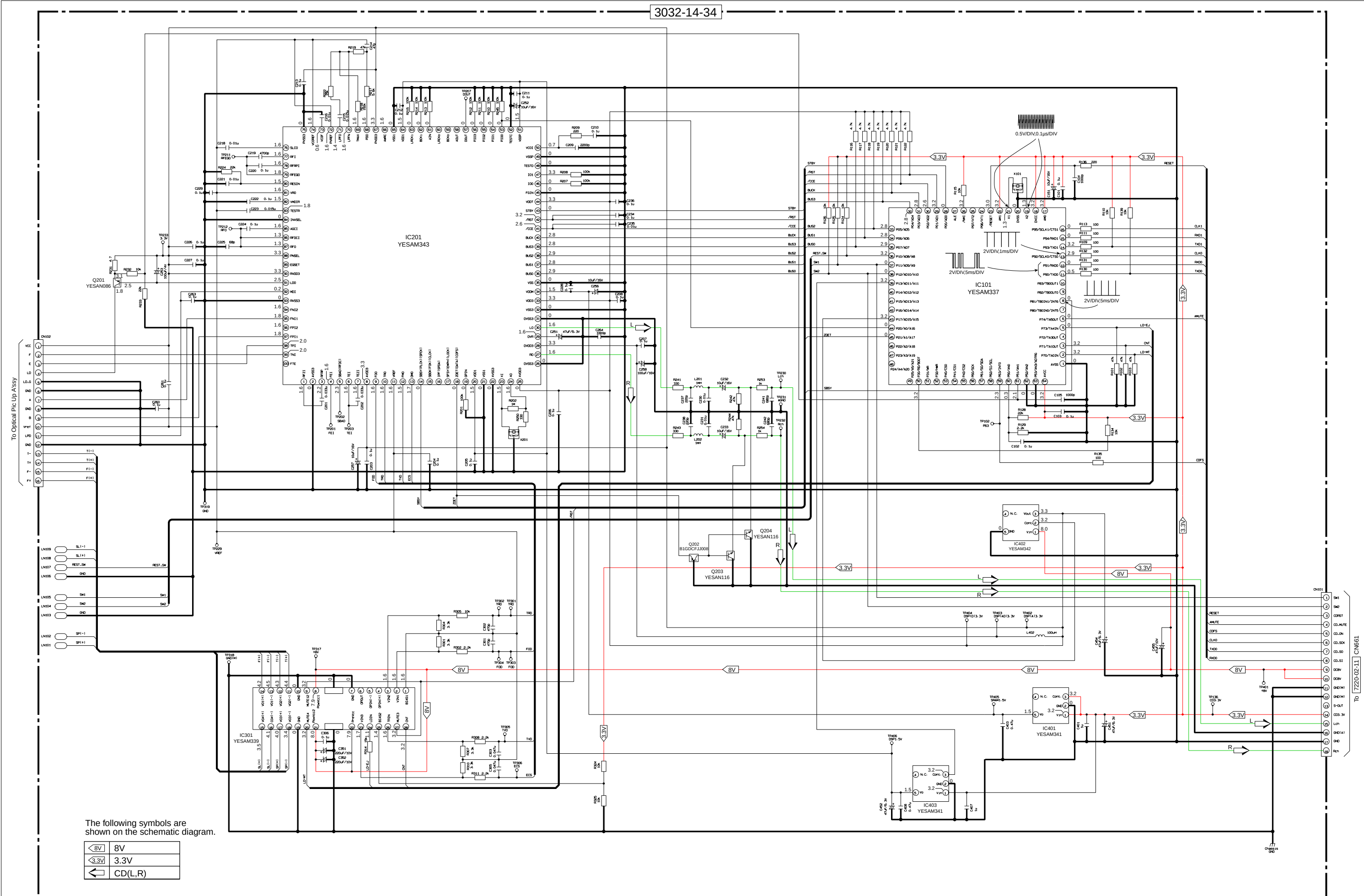


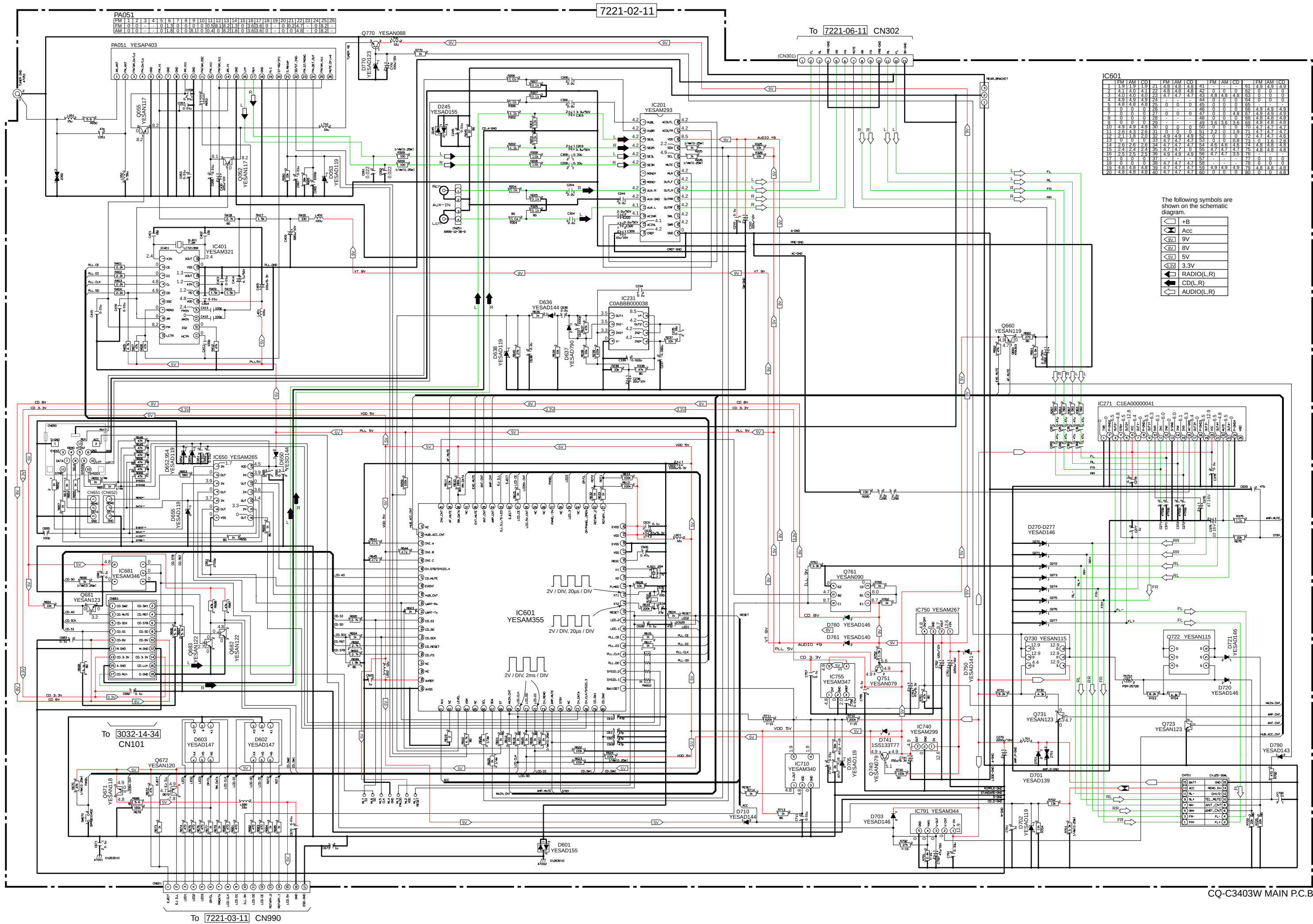


The following symbols are shown on the schematic diagram.



CQ-C3403W SUB





The following symbols are shown on the schematic diagram.

	9V
	5V

